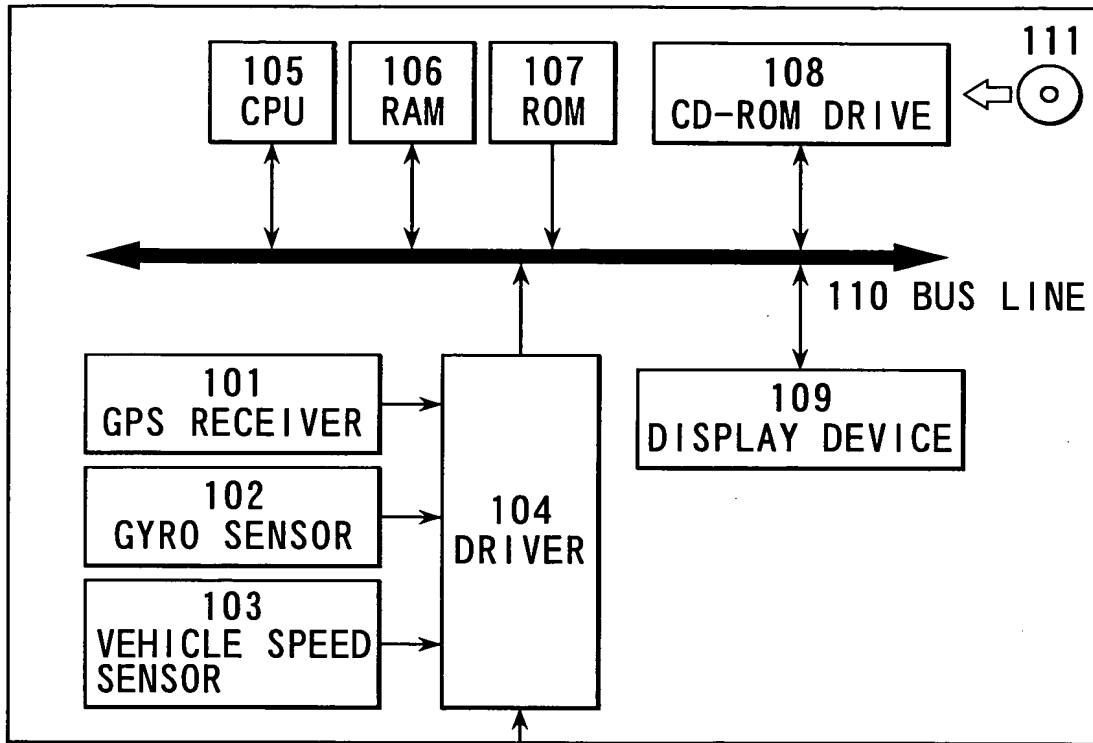


FIG. 1

100 NAVIGATION APPARATUS



211 COMMUNICATION LINE

200 VOICE UNIT

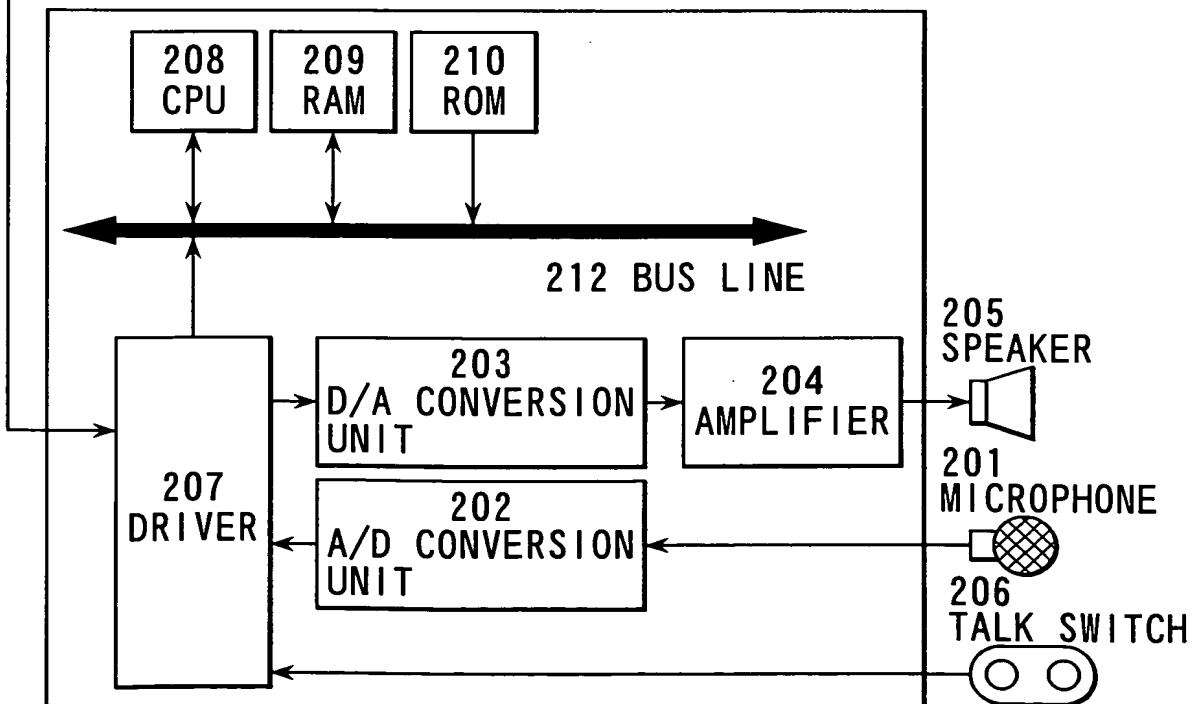
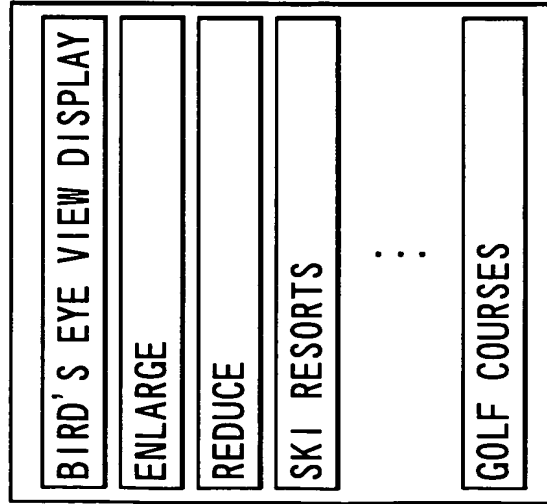


FIG. 2A

BASIC DICTIONARY



SKI  
RESORTS

FIG. 2B

SKI RESORT PREFECTURE  
NAME DICTIONARY

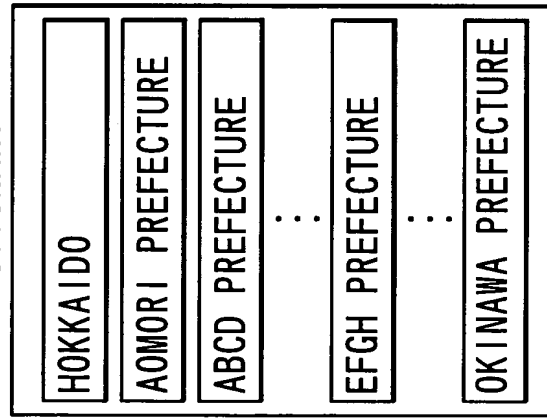
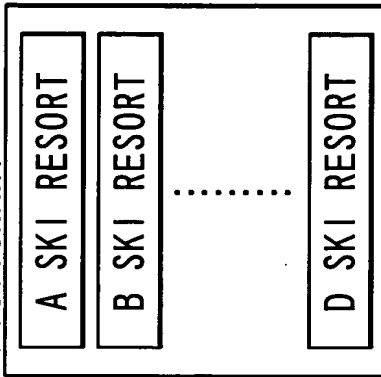


FIG. 2C

ABCD PREFECTURE SKI RESORT  
NAME DICTIONARY



EFGH PREFECTURE SKI RESORT  
NAME DICTIONARY

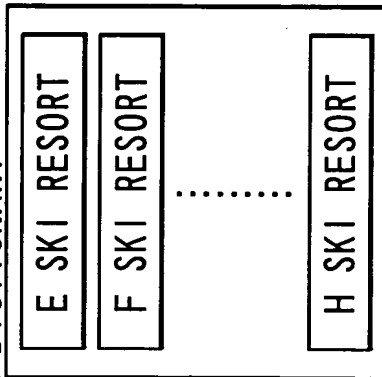


FIG. 3

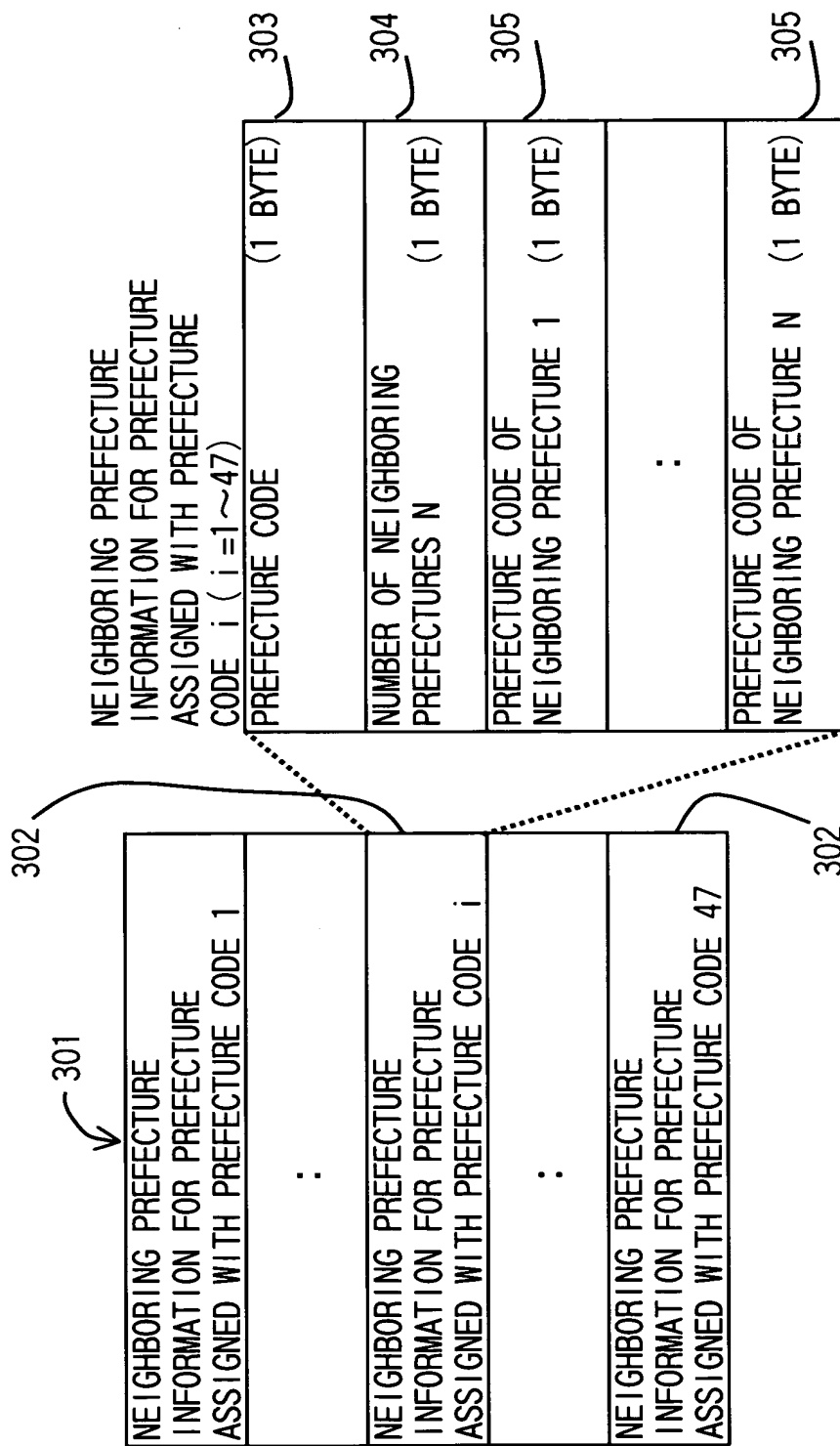


FIG. 4A

| TARGET<br>PREF. CODE | NEIGHBORING<br>PREF. CODE |  |
|----------------------|---------------------------|--|
| HOKKAIDO 01          | AOMORI 02                 |  |
| AOMORI 02            | HOKKAIDO 01               | IWATE 03 AKITA 05  |
| IWATE 03             | AOMORI 02                 | MIYAGI 04 AKITA 05 YAMAGATA 06                                     |
| MIYAGI 04            | IWATE 03                  | AKITA 05 YAMAGATA 06 FUKUSHIMA 07                                  |
| AKITA 05             | AOMORI 02                 | IWATE 03 MIYAGI 04 YAMAGATA 06                                     |
| YAMAGATA 06          | IWATE 03                  | MIYAGI 04 AKITA 05 FUKUSHIMA 07 NIIGATA 15                         |
| FUKUSHIMA 07         | MIYAGI 04                 | YAMAGATA 06 IBARAKI 08 TOCHIGI 09 GUNMA 10 NIIGATA 15              |
| IBARAKI 08           | FUKUSHIMA 07              | TOCHIGI 09 GUNMA 10 SAITAMA 11 CHIBA 12                            |
| TOCHIGI 09           | FUKUSHIMA 07              | IBARAKI 08 GUNMA 10 SAITAMA 11 CHIBA 12                            |
| GUNMA 10             | FUKUSHIMA 07              | IBARAKI 08 TOCHIGI 09 SAITAMA 11 NIIGATA 15 YAMANASHI 19 NAGANO 20 |
| SAITAMA 11           | IBARAKI 08                | TOCHIGI 09 GUNMA 10 CHIBA 12 TOKYO 13 YAMANASHI 19 NAGANO 20       |
| CHIBA 12             | IBARAKI 08                | TOCHIGI 09 GUNMA 10 SAITAMA 11 TOKYO 13 KANAGAWA 14                |
| TOKYO 13             | SAITAMA 11                | CHIBA 12 KANAGAWA 14 YAMANASHI 19                                  |
| KANAGAWA 14          | CHIBA 12                  | TOKYO 13 YAMANASHI 19 SHIZUOKA 22                                  |
| NIIGATA 15           | YAMAGATA 06               | FUKUSHIMA 07 GUNMA 10 TOYAMA 16 NAGANO 20                          |
| TOYAMA 16            | NIIGATA 15                | ISHIKAWA 17 NAGANO 20 Gifu 21                                      |
| ISHIKAWA 17          | TOYAMA 16                 | FUKUI 18 Gifu 21   |
| FUKUI 18             | ISHIKAWA 17               | Gifu 21 SHIGA 25 KYOTO 26  |
| YAMANASHI 19         | GUNMA 10                  | SAITAMA 11 TOKYO 13 KANAGAWA 14 NAGANO 20 SHIZUOKA 22              |
| NAGANO 20            | GUNMA 10                  | SAITAMA 11 NIIGATA 15 TOYAMA 16 YAMANASHI 19 Gifu 21               |
| Gifu 21              | TOYAMA 16                 | ISHIKAWA 17 FUKUI 18 NAGANO 20 AICHI 23 MIE 24 SHIGA 25            |
| SHIZUOKA 22          | KANAGAWA 14               | YAMANASHI 19 NAGANO 20 AICHI 23                                    |
| AICHI 23             | NAGANO 20                 | Gifu 21 SHIZUOKA 22 MIE 24 SHIGA 25                                |

AICHI 23  
SHIZUOKA 22

| TARGET     | NEIGHBORING |           |    |           |    |           |  |
|------------|-------------|-----------|----|-----------|----|-----------|--|
| PREF. CODE | PREF. CODE  |           |    |           |    |           |  |
| MIE        | 24          | GIFU      | 21 | AICHI     | 23 | SHIGA     | 25 KYOTO 26 NARA 29 WAKAYAMA 30            |
| SHIGA      | 25          | FUKUI     | 18 | GIFU      | 21 | MIE       | 24 KYOTO 26 NARA 29                        |
| KYOTO      | 26          | FUKUI     | 18 | MIE       | 24 | SHIGA     | 25 OSAKA 27 HYOGO 28 NARA 29               |
| OSAKA      | 27          | KYOTO     | 26 | HYOGO     | 28 | NARA      | 29 WAKAYAMA 30                             |
| HYOGO      | 28          | KYOTO     | 26 | OSAKA     | 27 | TOTTORI   | 31 OKAYAMA 33 TOKUSHIMA 36 KAGAWA 37       |
| NARA       | 29          | MIE       | 24 | SHIGA     | 25 | KYOTO     | 26 OSAKA 27 WAKAYAMA 30                    |
| WAKAYAMA   | 30          | MIE       | 24 | OSAKA     | 27 | HYOGO     | 28 NARA 29 TOKUSHIMA 36                    |
| TOTTORI    | 31          | HYOGO     | 28 | SHIMANE   | 32 | OKAYAMA   | 33 HIROSHIMA 34                            |
| SHIMANE    | 32          | TOTTORI   | 31 | OKAYAMA   | 33 | HIROSHIMA | 34 YAMAGUCHI 35                            |
| OKAYAMA    | 33          | HYOGO     | 28 | TOTTORI   | 31 | SHIMANE   | 32 HIROSHIMA 34 KAGAWA 37 EHIME 38         |
| HIROSHIMA  | 34          | TOTTORI   | 31 | SHIMANE   | 32 | OKAYAMA   | 33 YAMAGUCHI 35 KAGAWA 37 EHIME 38         |
| YAMAGUCHI  | 35          | SHIMANE   | 32 | HIROSHIMA | 34 | EHIME     | 38 FUKUOKA 40 OOTA 44                      |
| TOKUSHIMA  | 36          | HYOGO     | 28 | WAKAYAMA  | 30 | KAGAWA    | 37 EHIME 39                                |
| KAGAWA     | 37          | HYOGO     | 28 | OKAYAMA   | 33 | HIROSHIMA | 34 TOKUSHIMA 36 KOCHI 39                   |
| EHIME      | 38          | OKAYAMA   | 33 | HIROSHIMA | 34 | YAMAGUCHI | 35 TOKUSHIMA 36 KAGAWA 37 KOCHI 39 OOTA 44 |
| KOCHI      | 39          | TOKUSHIMA | 36 | KAGAWA    | 37 | EHIME     | 38   |
| FUKUOKA    | 40          | YAMAGUCHI | 35 | SAGA      | 41 | NAGASAKI  | 42 KUMAMOTO 43 OOTA 44                     |
| SAGA       | 41          | FUKUOKA   | 40 | NAGASAKI  | 42 | KUMAMOTO  | 43   |
| NAGASAKI   | 42          | FUKUOKA   | 40 | SAGA      | 41 | KUMAMOTO  | 43   |
| KUMAMOTO   | 43          | FUKUOKA   | 40 | SAGA      | 41 | NAGASAKI  | 42 OOTA 44 MIYAZAKI 45 KAGOSHIMA 46        |
| OOTA       | 44          | YAMAGUCHI | 35 | EHIME     | 38 | FUKUOKA   | 40 KUMAMOTO 43 MIYAZAKI 45                 |
| MIYAZAKI   | 45          | KUMAMOTO  | 43 | OOTA      | 44 | KAGOSHIMA | 46   |
| KAGOSHIMA  | 46          | KUMAMOTO  | 43 | MIYAZAKI  | 45 | OKINAWA   | 47   |
| OKINAWA    | 47          | KAGOSHIMA | 46 |           |    |           |  |

FIG. 5

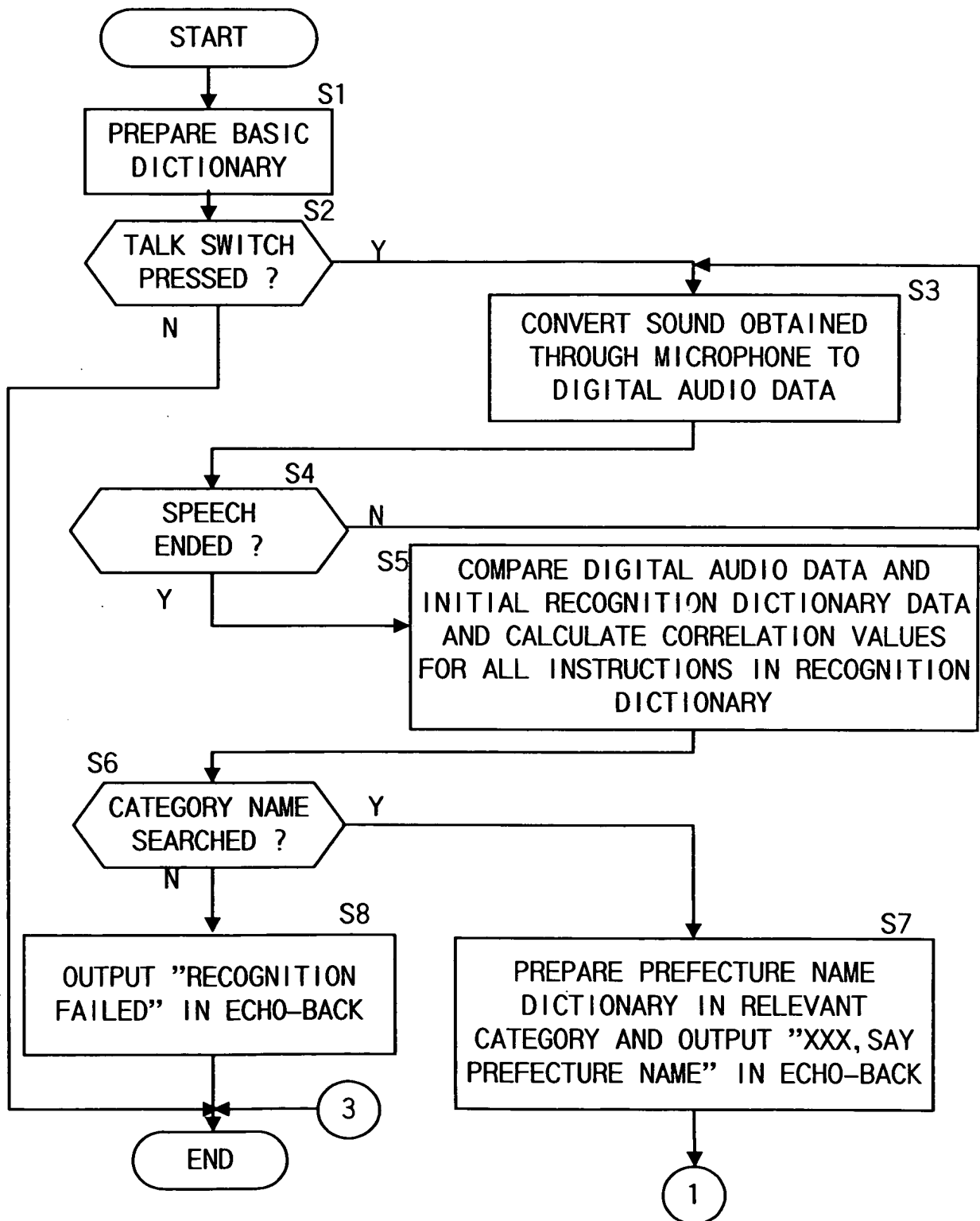


FIG. 6

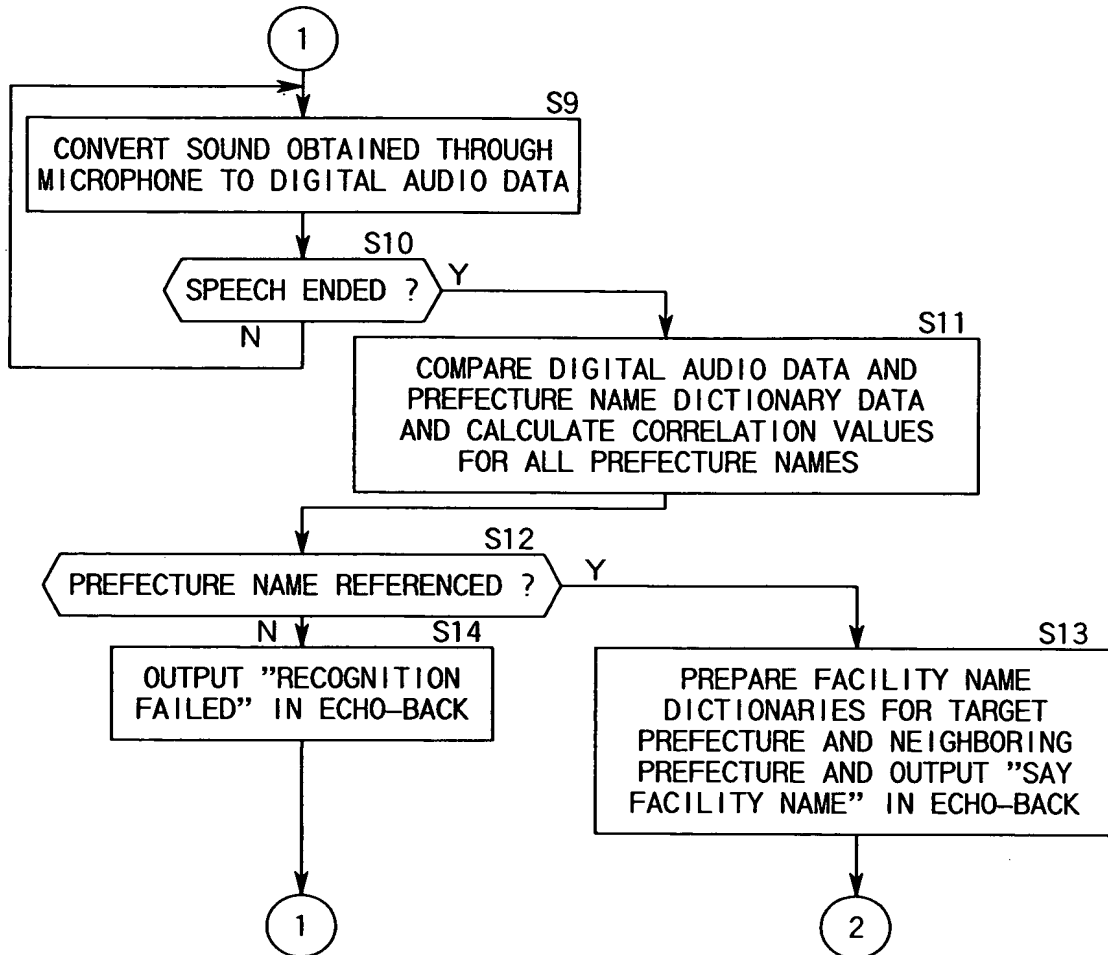


FIG. 7

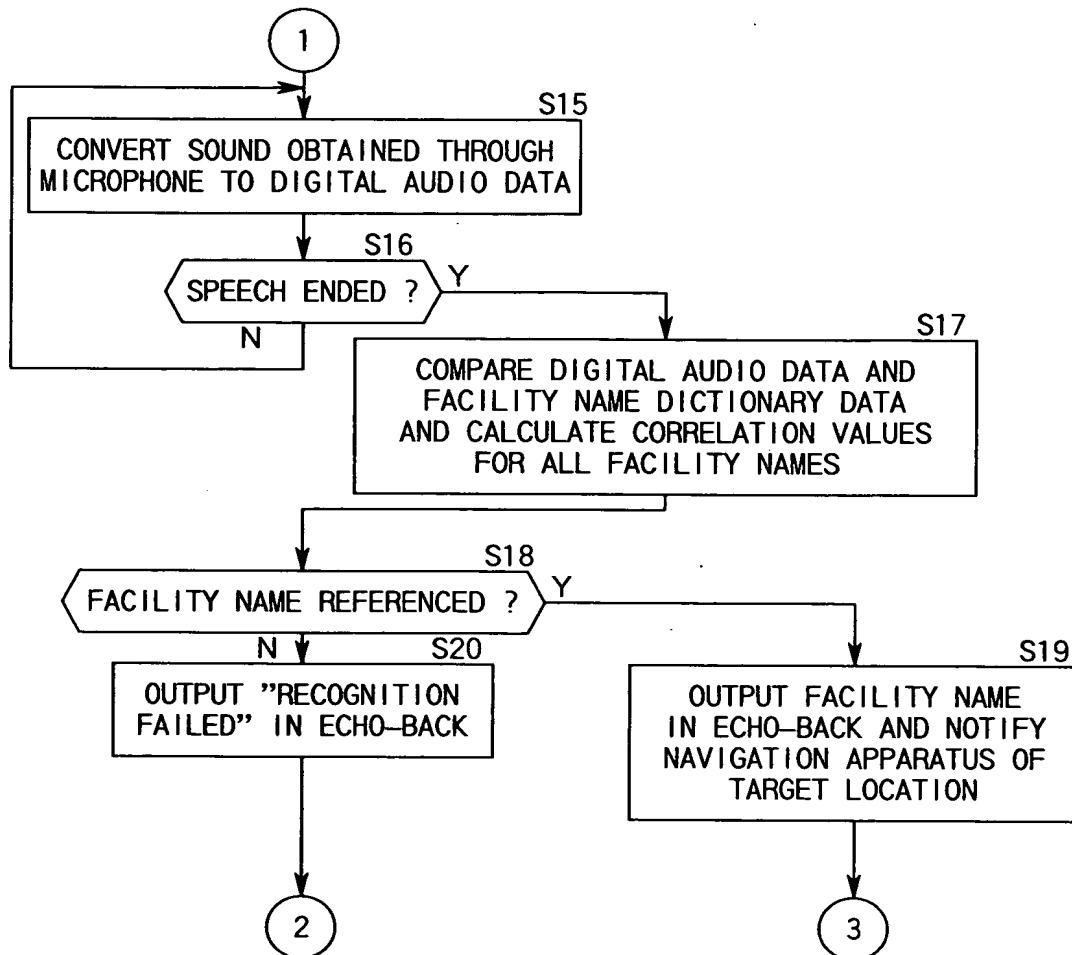




FIG. 8A

BASIC DICTIONARY

BIRD'S EYE VIEW DISPLAY

ENLARGE

REDUCE

SKI RESORTS

:

GOLF COURSES

"SKI  
RESORTS"

FIG. 8B

SKI RESORT STATE  
NAME DICTIONARY

ALASKA

CALIFORNIA

ABCD

:

EFGH

:

TEXAS

FIG. 8C

:

ABCD STATE SKI RESORT  
NAME DICTIONARY

A SKI RESORT

B SKI RESORT

:

D SKI RESORT

:

EFGH STATE SKI RESORT  
NAME DICTIONARY

E SKI RESORT

F SKI RESORT

:

H SKI RESORT

:

FIG. 9

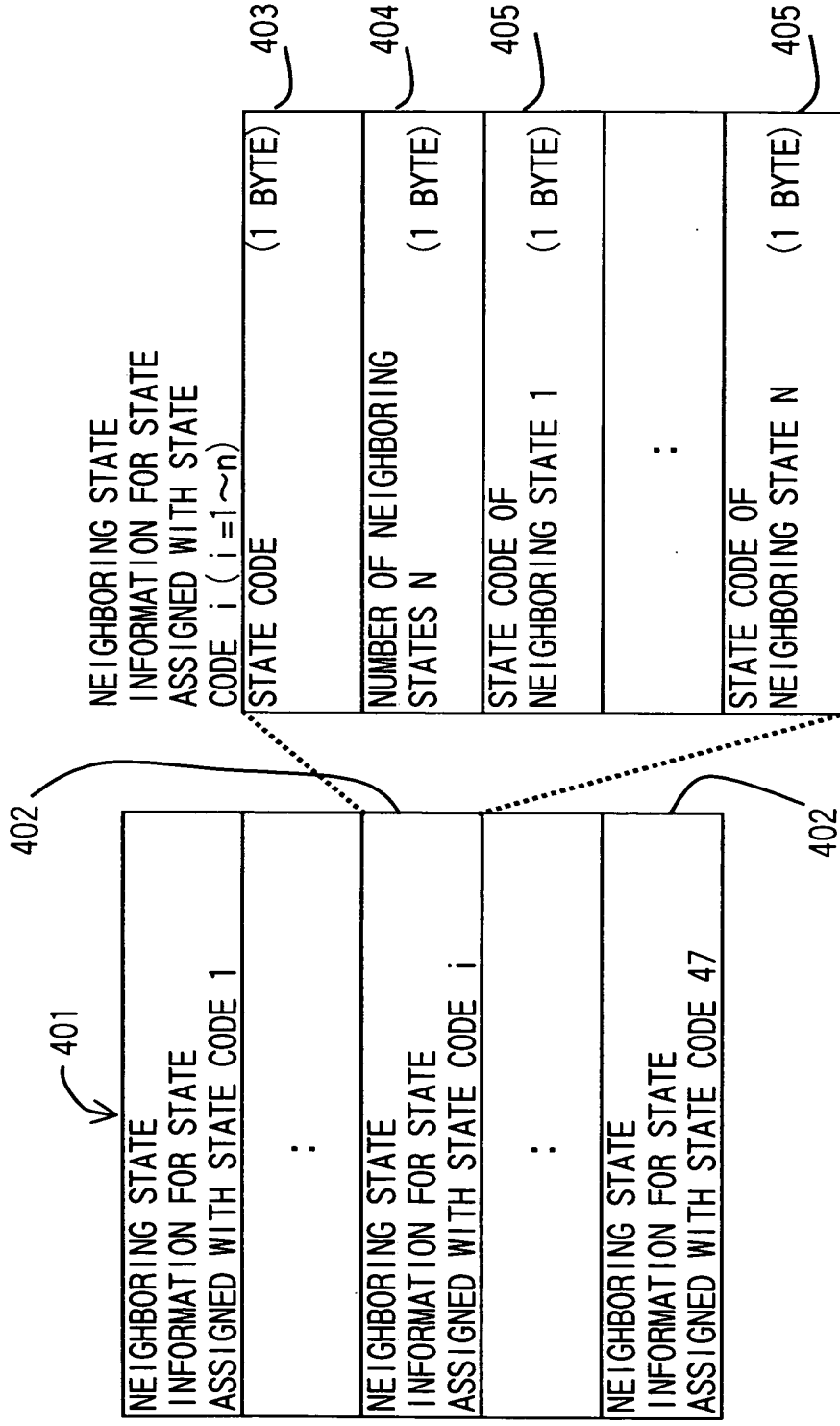


FIG. 10

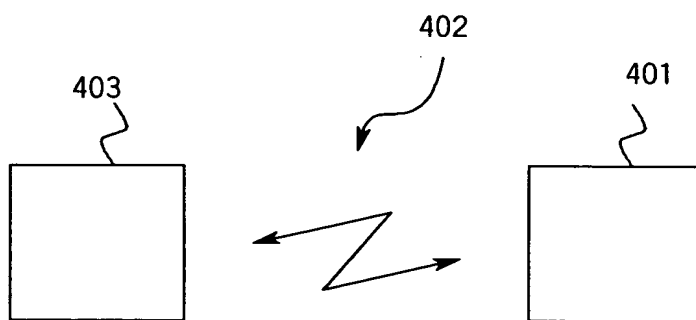


FIG. 11A  
PRIOR ART

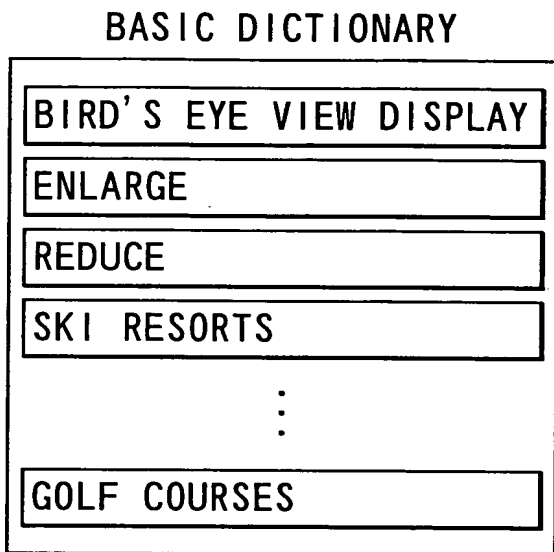
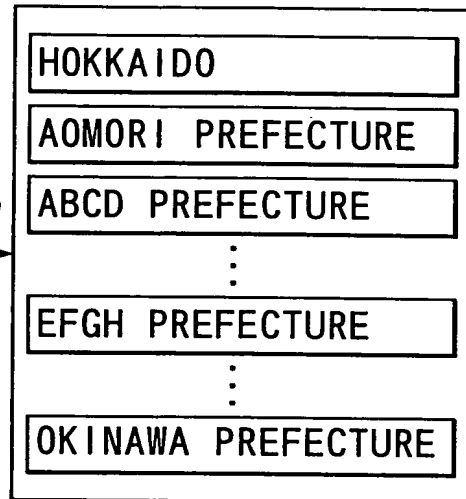


FIG. 11B  
PRIOR ART

SKI RESORT PREFECTURE  
NAME DICTIONARY



"SKI  
RESORTS"

ABCD  
PREFECTURE

FIG. 11C  
PRIOR ART

ABCD PREFECTURE SKI RESORT  
NAME DICTIONARY

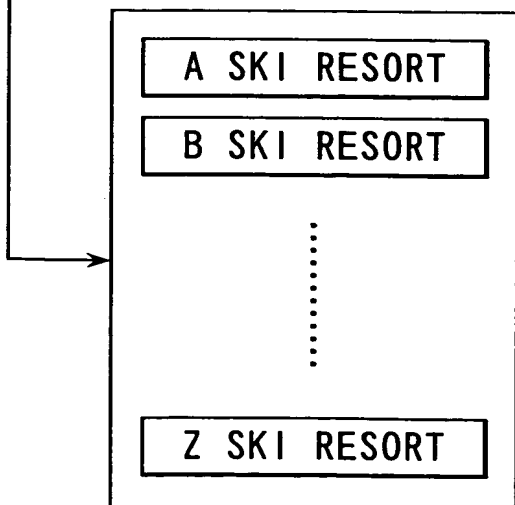


FIG. 11D  
PRIOR ART

"B SKI  
RESORT"

